

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2003-195362

(43)Date of publication of application : 09.07.2003

(51)Int.Cl.

G02F 1/167

(21)Application number : 2001-392433

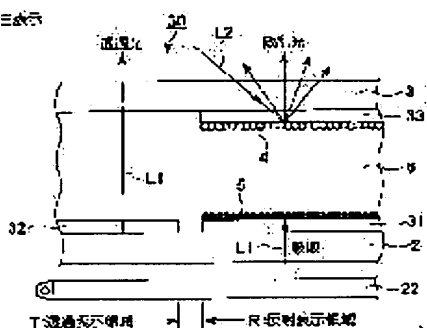
(71)Applicant : SEIKO EPSON CORP

(22)Date of filing : 25.12.2001

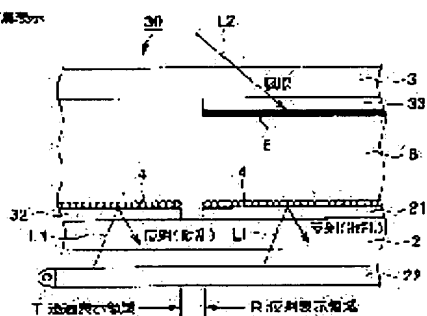
(72)Inventor : YASUKAWA MASAHIRO

(54) ELECTROPHORETIC DISPLAY DEVICE AND ELECTRONIC EQUIPMENT

(a) 三视图



(b) 断面図



(57)Abstract:

PROBLEM TO BE SOLVED: To provide an electrophoretic display device which can secure excellent visibility irrelevantly to the lightness in use environment.

SOLUTION: The electrophoretic display device 1 has an electronic ink layer 6 containing many white electrified particles 4 and many black electrified particles 5 between an upper substrate 3 and a lower substrate 2 and also has a transmission display area T and reflection display area R in one pixel constituting a display pattern. In the transmission display area T, white display and black display are switched according to whether white electrified particles 4 and black electrified particles 5 are present or not and in the reflection display area R, white display and black display are switched by attracting the white electrified particles 4 or black electrified particles 5 to the upper substrate 3.

LEGAL STATUS

[Date of request for examination]

22.12.2004

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]